

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 03/04109

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01J23/75 B01J37/03 C10G2/00 C07C1/04 C07C29/132 C07C209/36 C07C209/48 C07C5/02																	
According to International Patent Classification (IPC) or to both national classification and IPC																	
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B01J C10G C07C																	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																	
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ																	
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td> OUKACI R ET AL: "Comparison of patented Co F-T catalysts using fixed-bed and slurry bubble column reactors" APPLIED CATALYSIS A: GENERAL, ELSEVIER SCIENCE, AMSTERDAM, NL, vol. 186, no. 1-2, 4 October 1999 (1999-10-04), pages 129-144, XP004271930 ISSN: 0926-860X cited in the application tables 1,5-8 </td> <td>10,12,13</td> </tr> <tr> <td>X</td> <td> EP 0 266 898 A (EXXON RESEARCH ENGINEERING CO) 11 May 1988 (1988-05-11) </td> <td>10,12,13</td> </tr> <tr> <td>Y</td> <td> the whole document </td> <td>1-9</td> </tr> <tr> <td></td> <td>-/-</td> <td></td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	OUKACI R ET AL: "Comparison of patented Co F-T catalysts using fixed-bed and slurry bubble column reactors" APPLIED CATALYSIS A: GENERAL, ELSEVIER SCIENCE, AMSTERDAM, NL, vol. 186, no. 1-2, 4 October 1999 (1999-10-04), pages 129-144, XP004271930 ISSN: 0926-860X cited in the application tables 1,5-8	10,12,13	X	EP 0 266 898 A (EXXON RESEARCH ENGINEERING CO) 11 May 1988 (1988-05-11)	10,12,13	Y	the whole document	1-9		-/-	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.															
X	OUKACI R ET AL: "Comparison of patented Co F-T catalysts using fixed-bed and slurry bubble column reactors" APPLIED CATALYSIS A: GENERAL, ELSEVIER SCIENCE, AMSTERDAM, NL, vol. 186, no. 1-2, 4 October 1999 (1999-10-04), pages 129-144, XP004271930 ISSN: 0926-860X cited in the application tables 1,5-8	10,12,13															
X	EP 0 266 898 A (EXXON RESEARCH ENGINEERING CO) 11 May 1988 (1988-05-11)	10,12,13															
Y	the whole document	1-9															
	-/-																
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.																	
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "8" document member of the same patent family																	
Date of the actual completion of the international search 8 January 2004		Date of mailing of the international search report 15/01/2004															
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer Zuurdeeg, B															

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/04109

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 926 235 A (CHEMETRON CORP) 15 May 1963 (1963-05-15) the whole document	1-9
P,X	WO 02 089978 A (SUD CHEMIE INC) 14 November 2002 (2002-11-14) cited in the application claims 1,8,11,12,15-17,26 page 9, line 4 - line 9 page 16, line 13 - line 15	1-8,10, 12,13
P,X	WO 03 024905 A (CONOCO INC) 27 March 2003 (2003-03-27) claims 1,5,6,8,9,11-13,23,29,39,51,52 page 4, line 22 -page 5, line 17	1-8,10, 12,13
X	EP 1 163 955 A (KATALEUNA GMBH CATALYSTS) 19 December 2001 (2001-12-19) claim 1 paragraph '0001!	10,11
X	WO 98 47617 A (EXXON RESEARCH ENGINEERING CO) 29 October 1998 (1998-10-29) claims 1-10 table 1	10,12,13
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 577 (C-1122), 20 October 1993 (1993-10-20) & JP 05 168932 A (NKK CORP), 2 July 1993 (1993-07-02) abstract	10,14
A	WO 01 62381 A (LOK MARTIN CORNELIS ;ICI PLC (GB); BAILEY STEPHEN (GB); GRAY GAVIN) 30 August 2001 (2001-08-30) the whole document	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/04109

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0266898	A	11-05-1988	AU 623756 B2	21-05-1992
			AU 5220890 A	03-10-1991
			AU 589806 B2	19-10-1989
			AU 7930687 A	14-04-1988
			CA 1312066 C	29-12-1992
			CA 2012682 A1	21-09-1991
			DE 3750154 D1	04-08-1994
			DE 3750154 T2	20-10-1994
			EP 0266898 A2	11-05-1988
			EP 0453674 A1	30-10-1991
			JP 2572079 B2	16-01-1997
			JP 63147545 A	20-06-1988
			NO 874162 A ,B,	05-04-1988
			US RE37406 E1	09-10-2001
			US 4962078 A	09-10-1990
			US 4977126 A	11-12-1990
			US 5545674 A	13-08-1996
			US 5128377 A	07-07-1992
			US 6319960 B1	20-11-2001
GB 926235	A	15-05-1963	FR 1268260 A	28-07-1961
WO 02089978	A	14-11-2002	WO 02089978 A1	14-11-2002
WO 03024905	A	27-03-2003	WO 03024905 A1	27-03-2003
			US 2003105170 A1	05-06-2003
EP 1163955	A	19-12-2001	DE 10059319 A1	28-02-2002
			EP 1163955 A1	19-12-2001
WO 9847617	A	29-10-1998	US 5856260 A	05-01-1999
			AU 744172 B2	14-02-2002
			AU 7136798 A	13-11-1998
			EP 0977629 A1	09-02-2000
			JP 2001522300 T	13-11-2001
			NO 995138 A	30-11-1999
			TW 491731 B	21-06-2002
			WO 9847617 A1	29-10-1998
			US 6331575 B1	18-12-2001
JP 05168932	A	02-07-1993	JP 2697441 B2	14-01-1998
WO 0162381	A	30-08-2001	AU 3213401 A	03-09-2001
			EP 1257358 A1	20-11-2002
			WO 0162381 A1	30-08-2001
			US 2003032684 A1	13-02-2003